

Organizing Committee



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Pascal M. Dohmen
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Germany



Mohamad Aljofan
Monash University
Australia



Yechiel Shai
The Weizmann Institute of
Science, Israel



Jennifer Troyer
National Institute of Health
USA

18:00-19:00 Registrations

November 11, 2012

DAY 1

November 12, 2012

07:00-08:30 Registrations

08:00-08:30 Breakfast

08:30-09:00 Opening Ceremony

Keynote Forum

09:00-09:05 Introduction

09:05-09:30 Bradford Powell, Cernomics Solutions, USA

09:30-09:55 Joel K Weltman, Brown University School of Medicine, USA

09:55-10:20 Guangming Zhong, University of Texas, USA

Coffee Break 10:20-10:35

10:35-11:00 Todd DeSantis, Second Genome, USA

11:00-11:25 Victor M. Ibeanusi, Spelman College, USA

Breakout: 1

Track 1 : Microbiology-Basic Science

Track 3 : Medical Microbiology

Session Introduction

11:25-11:45 Title: Microbial adaptations and protein expressions and evolution in extreme environments
Victor M. Ibeanusi, Spelman College, USA

11:45-12:05 Title: Sociomicrobiology in microscopically organized landscapes
Jason Shear, University of Texas, USA

12:05-12:25 Title: Pharmacodynamic profiling of antibiotics used in the treatment of MRSA-infected ICU patients
Ayman M. Noreddin, Hampton University, USA

12:25-12:45 Title: Chlamydia evasion of host defense
Guangming Zhong, University of Texas, USA

Lunch Break 12:45-13:30

13:30-13:50 Title: Update on the MRSA war...who's winning?
Wanda Reygaert, Oakland University, USA

13:50-14:10 Title: Is it time for hospitals to implement 'Antifungal stewardship'?

13:50-14:10	Abhijit M Bal, University Hospital Crosshouse, United Kingdom Title: Prophylaxis of autoimmune diseases by vaccination against their microbial triggers
14:10-14:30	Duncan D Adams, University of Otago Medical School, New Zealand Title: Biofilm-associated infections
14:30-14:50	Pascal M. Dohmen, University of Leipzig, Germany Title: Purification and structural characterizations of rhamnolipid surfactant produced by <i>Pseudomonas aeruginosa</i> CICC 10204 on ethanol
14:50-15:10	Xin Mingxiu, Beijing Normal University, China Title: Sucrose independent exopolysaccharide productivity and biofilm formation of oral commensal bacteria as pathogenesis of chronic inflammation in the oral cavity
15:10-15:30	Takeshi Yamanaka, Osaka Dental University, Japan Title: Significance urinary tract infection for the paediatric urologist
15:30-15:50	George K Ninan, University of Leicester, United Kingdom
Coffee Break 15:50-16:05	
16:05-16:25	Title: Cupron antifungal fibers and fabrics- A new generation of material in the prevention of mycological infections Alastair B Monk, Cupron Inc, USA Title: Genetic transfer between <i>Enterococcus faecalis</i> isolated from food and human microbiota
16:25-16:45	Sparo Monica D, Universidad Nacional del Centro, Argentina Exploring novel mechanistic strategies of antibiotics, which inhibit protein synthesis
16:45-17:05	Andrei A. Korostelev, University of Massachusetts Medical School, USA Title: Effects of pancreatic infections on insulin secretion and possible onset of diabetes
17:05-17:25	Dragan M. Nikolic, University of Belgrade, Serbia Title: Pharmacokinetic and antigenic properties of <i>Aspergillus flavipes</i> (JF831014) L-methioninase <i>in vivo</i>
17:25-17:45	Ashraf El-Sayed, Zagazig University, Egypt Title: <i>Cryptococcus laurentii</i> respiratory infection in a dog – Case report
17:45-18:05	Margarete T. G. Almeida, Faculdade de Medicina de São José do Rio Preto, Brazil Title: Comparison of the virulence markers of <i>Helicobacter pylori</i> and their associated Diseases in patients from Pakistan and Afghanistan
18:05-18:25	Wasim Jafri, Aga Khan University, Pakistan Title: Arthritogenic alphaviruses; Viral persistence and rheumatic inflammation
18:25-18:45	Andreas Suhrbier, Queensland Institute of Medical Research, USA
Panel Discussion: 18:45-19:00	
19:00-19:30	Cocktails: Sponsored by Journal of Microbial & Biochemical Technology
Breakout: 2	
Track 2 : Antimicrobials & Microbial Techniques	
Track 4 : Infection Control & Immunity	
Session Introduction	
11:25-11:45	Title: Increased resistance of breast, prostate and embryonic carcinoma cells against herpes simplex virus-mediated destruction in three-dimensional cultures Valyi-Nagy, University of Illinois, USA
11:45-12:05	Title: Antimicrobial peptide resistance mechanisms of <i>Clostridium difficile</i> Shonna M. McBride, Emory University School of Medicine, USA
12:05-12:25	Title: Control CD8 T cell-mediated antiviral immune responses by diacylglycerol kinases Xiao-Ping Zhong, Duke University Medical Center, USA Title: FcγR and CR on blood monocytes in differentiation between sarcoidosis and tuberculosis
12:25-12:45	Dubaniewicz Anna, Medical University of Gdansk, Poland
Lunch Break 12:45-13:30	
13:30-13:50	Title: Molecular epidemiology of hepatitis A virus in patients in the ahwaz region of Iran Nejati A, Ahwaz Jondi-Shapoor University of Medical Sciences, Iran

- 13:50-14:10 **Title: Cell type-specific human IL-10 regulation influences disease outcomes in “humanized” IL-10 transgenic mice**
Jay H. Bream, Johns Hopkins Bloomberg School of Public Health, USA
- 14:10-14:30 **Title: *Actinobaculum schaalii* an often overlooked uropathogen. Methods to increase the detection**
Steffen Bank, Viborg Hospital, Denmark
- 14:30-14:50 **Title: Reducing bacterial virulence with quorum quenching acylases**
Wim J. Quax, University of Groningen, The Netherlands
- 14:50-15:10 **Title: An antimicrobial sealant to reduce surgical site infection**
Pascal M. Dohmen, University of Leipzig, Germany
- 15:10-15:30 **Title: Utilizing cupron enhanced biocidal linens in a clinical setting - Initial results of a clinical**
Gadi Borkow, Cupron Scientific, Israel
- 15:30-15:50 **Title: Antimicrobial peptide resistance mechanisms in enterohemorrhagic and enteropathogenic**
Herve Le Moual, McGill University, Canada

Coffee Break 15:50-16:05

- 16:05-16:25 **Title: Role of lactosylceramide in innate immune responses of phagocytes**
K. Iwabuchi, Juntendo University School of Medicine, Japan
- 16:25-16:45 **Title: Postantibiotic Effect (PAE) of linezolid on *Staphylococcus aureus*, *Staphylococcus epidermidis* and *Enterococcus faecalis***
Sara A. Zahran, Cairo University, Egypt
- 16:45-17:05 **Title: Antimicrobial efficacy of the crude extracts and phytochemicals from Piper betel (Linn.) leaves against the pathogens causing otitis externa**
Chetan Sharma, Kurukshetra University, India
- 17:05-17:25 **Title: Getting to a better understanding of drug – Resistance in three *Acinetobacter* species isolated from Colombian hospitals by genomic and proteomic analyses**
Emiliano Barreto Hernandez, National University of Colombia, Colombia
- 17:25-17:45 **Title: Modulation of pulmonary immunity and induction of goblet cell hyperplasia and mucus**
Gee W. Lau, University of Illinois, USA
- 17:45-18:05 **Title: Mechanism of regulation of inflammatory gene expression by microRNAs**
Roopa Biswas, Uniformed Services University of Health Sciences, USA
- 18:05-18:25 **Title: *Mycobacterium tuberculosis*-induced neutrophil ectosomes decrease macrophage activation**
Tonya Azevedo Duarte, Federal University of Bahia, Brazil

Panel Discussion: 18:25-18:40

18:40-19:10 Cocktails: Sponsored by Journal of Microbial & Biochemical Technology

Day 2

November 13, 2012

Breakout: 1

Track 5 : Diagnostics
Track 6: Clinical & Veterinary Microbiology
Track 7 :Infectious Diseases & Public Health
Track 8: Current Topics in the Field of Medical Microbiology
Track 9: Clinical Infectious Diseases

Session Introduction

- 10:00-10:20 **Title: Healthy subjects microbiome: Diversity, networking and metabolic potential**
Jacques Izard, The Forsyth Institute/Harvard School of Dental Medicine, USA
- 10:20-10:40 **Title: Antivirulence agents against bacterial pathogens**
Menachem Shoham, Case Western Reserve University, USA
- 10:55-11:15 **Title: A pharmacological inhibitor of proprotein convertase 6: A potential multi-therapeutic agent**
Mohamad Aljofan, Monash University, Australia
- 11:15-11:35 **Title: Dynamics of the MHC class I antigen presentation in the course of malaria parasite**
Jelena Levitskaya, Johns Hopkins University, USA

Coffee Break 10:40-10:55

- 11:35-11:55 **Title: Poxvirus genomes: Genes and virulence**
Roper Rachel, East Carolina University, USA
- 11:55-12:15 **Title: Disruption of protein-protein interaction as an approach to new antiviral discovery**
Giorgio Palu, University of Padova, Italy
- 12:15-12:35 **Title: Zoonotic genotypes of *Giardia intestinalis* in urban and rural areas of Argentina**
Molina Nora B, Universidad Nacional de La Plata, Argentina
- Lunck Break: 12:35-13:05**
- 13:05-13:25 **Title: Fecal transplantation of patients with *Clostridium difficile* associated disease results in the complete replacement of original distal gut microbiota**
Oleg Paliy, Boonshoft School of Medicine, USA
- 13:25-13:45 **Title: Renewed Interest in bacteriophages as antibacterials for MDR pathogens**
Manal M. Baddour, Alexandria University, Egypt
- 13:45-14:05 **Title: Reducing the risk of skin pathologies in diabetics by using copper impregnated socks**
Gadi Borkow, Cupron Scientific, Israel
- 14:05-14:25 **Title: Japanese encephalitis: Not a neglected tropical disease**
Debjani Taraphdar, ICMR Virus Unit, India
- 14:25-14:45 **Title: Human seroprevalence against *Borrelia burgdorferi sensu lato* in two comparable regions of the eastern Alps (Central Europe) is not correlated to vector infection rates.**
Sissy Therese Sonnleitner, Innsbruck Medical University, Austria
- 14:45-15:05 **Title: Identification of songbird dispersed, *Borrelia-burgdorferi*-infected ticks utilizing DNA barcoding**
Danielle Ondrejicka, Mc Master University, Canada
- Coffee Break: 15:05-15:20**
- 15:20-15:40 **Title: Detection of viral gene expression by RNA splicing assays**
Zhi-Ming Zheng, National Institutes of Health, USA
- 15:40-16:00 **Title: Characterization of chlamydia using restriction enzymes**
Lawrence Okoror, Joseph Ayo Babalola University, Nigeria
- 16:00-16:20 **Title: Prediction of antibiotic susceptibility by clonal diagnostics of *Escherichia coli***
Evgeni V. Sokurenko, University of Washington, USA
- 16:20-16:40 **Title: Genotypic and insertion sequence pattern on some Nigerian isolates of shiga toxin producing *E. coli* from cattle and humans in northeast Nigeria**
Anietie E. Moses, University of Uyo, Nigeria
- 16:40-17:00 **Title: Evaluation of nitric oxide and ciprofloxacin against typhoid**
S.S.Haque, Indira Gandhi Institute of Medical Sciences, India

Panel Discussion: 17:00-17:15

Breakout: 2

Editorial Board Meeting

14:00-16:00 Scientific Partnering

16:00-19:00 Poster Presentations

19:00-19:30 Cocktails: Sponsored by Journal of Medical Microbiology & Diagnosis

Day 3

November 14, 2012

Breakout: 1

Track 10: Microbial Genomics

Session Introduction

- 09:00-09:20 **Title: Optimal preparation of difficult samples for systems biology**
Bradford Powell, Cernomics Solutions, USA
- 09:20-09:40 **Title: Bioinformatic analysis of the 2009-2010 pandemic H1N1 influenza virus**
Joel K Weltman, Brown University School of Medicine, USA
- 09:40-10:00 **Title: The BioCyc collection of pathway/genome databases**
Peter D. Karp, SRI Bioinformatics Research Group, USA

10:00-10:20	<p>Title: Life in the heat: Sequenced genomes of <i>Geobacilli</i> reveal secrets of survival</p> <p>Phillip J. Brumm, C5-6 Technologies, USA</p>
Coffee Break 10:20-10:35	
10:35-10:55	<p>Title: Effects of clindamycin on the microbiota of syrian hamsters over a challenge timeline</p> <p>Todd DeSantis, Second Genome, USA</p>
10:55-11:15	<p>Title: Modulation of protein-protein interactions by small molecules that effect the expression of pathogenicity determinants in <i>Francisella tularensis</i></p> <p>Graciela L. Lorca, University of Florida, USA</p>
11:15-11:35	<p>Title: Adaptation of microarray and deep sequencing technologies to clinical virology diagnostics</p> <p>Steve Miller, University of California San Francisco, USA</p>
11:35-11:55	<p>Title: Comparative genome sequence of a <i>Salmonella enterica</i> serovar typhi strain associated with a sporadic case of typhoid fever in Malaysia</p> <p>Kwai-Lin Thong, University of Malaya, Malaysia</p>
11:55-12:15	<p>Title: Cupron enhanced fabrics and fibers for the prevention of bacterial and fungal skin infections</p> <p>Alastair Monk, Cupron Inc, USA</p>
12:15-12:35	<p>Title: PCT, proANP, suPAR - are there any new septic biomarkers in ICU setting?</p> <p>Malgorzata Lipinska-Gediga, Medical University Wroclaw, Poland</p>
Lunck Break: 12:35-13:05	
13:05-13:25	<p>Title: Conserved signature indels and signature proteins provide novel means for evolutionary and diagnostic studies</p> <p>Radhey S. Gupta, McMaster University, Canada</p>
13:25-13:45	<p>Title: A Systems and genomics approach to pseudomonas derived protein: RahU in host-</p> <p>Ashok R. Amin, Virginia Tech and Rheumatrix Consulting, USA</p>
13:45-14:05	<p>Title: New approaches to studies of microbial genomics</p> <p>Jennifer Troyer, National Institute of Health, USA</p>
14:05-14:25	<p>Title: Using an –Omics approach to infer social networks from bacterial sequences: A</p> <p>Kashef Qadri, Biomatters Inc, USA</p>
Panel Discussion: 15:05-15:20	